

Massachusetts Health Care Quality and Cost Information: Technical Report

Pneumonia Mortality, FY04

Hospital Name	Total Cases	Total Deaths	Observed Rate	Risk-adjusted rate	Confidence Interval	Upper Confidence Interval	Statistical Significance	Days in Hospital
All Massachusetts Hospitals	31,487	2,348	7.46	7.32				
Anna Jaques Hospital	395	28	7.09	6.54	4.01	9.08	★ ★	5
Athol Memorial Hospital	112	8	7.14	8.88	4.11	13.64	★ ★	4
Baystate Medical Center	932	53	5.69	4.84	3.19	6.50	★ ★ ★	6
Berkshire Medical Center	438	32	7.31	5.51	3.10	7.93	★ ★	6
BI Deaconess Hospital — Needham	181	19	10.50	9.07	5.32	12.82	★ ★	5
BI Deaconess Medical Center	725	44	6.07	2.86	0.99	4.74	★ ★ ★	6
Boston Medical Center	661	35	5.30	6.19	4.23	8.16	★ ★	7
Brigham and Women's Hospital	760	62	8.16	6.64	4.81	8.47	★ ★	7
Brockton Hospital	626	46	7.35	8.80	6.78	10.82	★ ★	6
Cambridge H.A.— Cambridge Campus	197	16	8.12	8.71	5.12	12.31	★ ★	5
Cambridge H.A. — Somerville Campus	106	4	3.77	7.68	2.78	12.58	★ ★	5
Cambridge H.A. — Whidden Memorial Campus	356	29	8.15	8.83	6.16	11.51	★ ★	6
Cape Cod Hospital	709	51	7.19	6.65	4.76	8.55	★ ★	5
Caritas Carney Hospital	363	31	8.54	8.89	6.24	11.54	★ ★	6
Caritas Good Samaritan Medical Center	725	44	6.07	6.42	4.55	8.30	★ ★	6
Caritas Holy Family Hospital	446	44	9.87	10.92	8.53	13.31	★	8
Caritas Norwood Hospital	701	57	8.13	8.59	6.68	10.50	★ ★	6
Caritas St. Elizabeth's Medical Center	905	91	10.06	8.77	7.09	10.44	★ ★	7
Clinton Hospital	54	3	5.56	7.81	0.95	14.68	★ ★	5
Cooley Dickinson Hospital	435	30	6.90	7.44	5.02	9.86	★ ★	5
Emerson Hospital	365	34	9.32	9.09	6.45	11.73	★ ★	6
Fairview Hospital	93	10	10.75	12.16	6.93	17.40	★ ★	5
Falmouth Hospital	375	29	7.73	8.29	5.68	10.89	★ ★	5
Faulkner Hospital	414	25	6.04	6.30	3.82	8.78	★ ★	5
Franklin Medical Center	286	13	4.55	6.57	3.58	9.55	★ ★	5
Hallmark H.S. — Lawrence Memorial Campus	555	42	7.57	4.39	2.25	6.53	★ ★ ★	6
Hallmark H.S. — Melrose-Wakefield Campus	449	46	10.24	9.77	7.39	12.16	★	6
Harrington Memorial Hospital	146	8	5.48	7.78	3.60	11.95	★ ★	5
Health Alliance — Leominster	369	23	6.23	8.02	5.40	10.65	★ ★	4
Heywood Hospital	297	24	8.08	9.25	6.33	12.18	★ ★	5
Holyoke Medical Center	364	21	5.77	7.22	4.58	9.87	★ ★	6
Hubbard Regional Hospital	142	9	6.34	7.02	2.79	11.25	★ ★	6
Jordan Hospital	569	59	10.37	11.01	8.90	13.13	★	6
Lahey Clinic — Burlington Campus	633	55	8.69	8.46	6.46	10.47	★ ★	7
Lawrence General Hospital	521	49	9.40	10.77	8.56	12.98	★	8
Lowell General Hospital	359	24	6.69	8.99	6.33	11.66	★ ★	5

Notes:

Source: DHCFP Hospital Discharge Data and 403 Hospital Cost Report

Rates not calculated for hospitals with fewer than 30 cases.

CMI (Case-mix Index): 1=least complex, 2=average, 3=most complex

Legend:

\$ Hospitals with lowest 25% of costs

\$\$ Hospitals in middle 50% of costs

\$\$\$ Hospitals with highest 25% of costs

★ Mortality significantly higher than s

★ ★ Mortality as expected

★ ★ ★ Mortality significantly lower than sta

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All Massachusetts Hospitals	31,487	2,348	7.46	7.32				
Marlborough Hospital	183	15	8.20	9.96	6.23	13.69	**	5
Martha's Vineyard Hospital	57	2	3.51	7.50	0.81	14.18	**	4
Mary Lane Hospital	99	5	5.05	8.03	2.96	13.10	**	4
Massachusetts General Hospital	1021	83	8.13	6.39	4.81	7.97	**	8
Mercy Medical Center	565	49	8.67	6.37	4.25	8.49	**	6
Merrimack Valley Hospital	368	21	5.71	6.57	3.94	9.20	**	5
MetroWest M.C. — Framingham	383	26	6.79	5.78	3.20	8.35	**	5
MetroWest M.C. — Leonard Morse	256	16	6.25	6.43	3.28	9.59	**	6
Milford Regional Medical Center	532	41	7.71	8.20	6.01	10.38	**	6
Milton Hospital	312	27	8.65	9.90	7.04	12.75	**	6
Morton Hospital	399	37	9.27	9.15	6.63	11.68	**	6
Mount Auburn Hospital	520	43	8.27	8.94	6.73	11.16	**	6
Nantucket Cottage Hospital	22	3						
Nashoba Valley Medical Center	229	11	4.80	4.78	1.45	8.12	**	5
New England Baptist Hospital	108	5	4.63	3.36	-1.50	8.21	**	6
Newton-Wellesley Hospital	483	20	4.14	1.61	-0.68	3.91	***	5
Noble Hospital	228	14	6.14	7.47	4.13	10.81	**	6
North Adams Regional Hospital	198	18	9.09	8.79	5.20	12.37	**	5
North Shore M.C. — Salem Campus	524	27	5.15	5.14	2.93	7.34	**	6
North Shore M.C. — Union Campus	345	28	8.12	8.14	5.42	10.85	**	6
Northeast H.S. — Addison Gilbert Campus	122	7	5.74	7.95	3.38	12.52	**	5
Northeast H.S. — Beverly Campus	527	22	4.17	3.56	1.36	5.76	***	5
Quincy Medical Center	509	43	8.45	8.44	6.20	10.67	**	7
Saint Anne's Hospital	482	35	7.26	6.63	4.33	8.93	**	8
Saint Vincent Hospital	768	76	9.90	8.77	6.95	10.59	**	6
Saints Memorial Medical Center	353	28	7.93	9.36	6.67	12.04	**	6
South Shore Hospital	834	53	6.35	5.96	4.21	7.71	**	5
Southcoast H.G. — Charlton Memorial Campus	816	62	7.60	7.12	5.36	8.89	**	8
Southcoast H.G. — St. Luke's Campus	1092	105	9.62	8.44	6.92	9.97	**	8
Southcoast H.G. — Tobey Hospital Campus	316	27	8.54	8.42	5.59	11.26	**	7
Sturdy Memorial Hospital	349	29	8.31	9.79	7.09	12.49	**	7
Tufts-NEMC	461	34	7.38	7.06	4.71	9.41	**	8
UMass Memorial Medical Center	1459	94	6.44	6.05	4.73	7.37	**	6
Winchester Hospital	534	26	4.87	6.93	4.75	9.11	**	5
Wing Memorial Hospital	185	7	3.78	3.67	-0.04	7.38	**	5

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Cost	Quartile Range	CMI
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	1
\$\$\$	> \$8,485	3
\$\$\$	> \$8,485	3
\$\$	\$5,545-\$8,485	2
\$\$\$	> \$8,485	3
\$\$\$	> \$8,485	3
\$\$\$	> \$8,485	3
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	2
\$	< \$5,545	2
\$	< \$5,545	2
\$\$	\$5,545-\$8,485	2
\$\$\$	> \$8,485	3
\$	< \$5,545	2
\$\$	\$5,545-\$8,485	3
\$\$	\$5,545-\$8,485	2
\$\$\$	> \$8,485	3
\$	< \$5,545	1
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	1
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	1
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	1
\$\$	\$5,545-\$8,485	1
\$	< \$5,545	1
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	1
\$\$	\$5,545-\$8,485	2
\$\$\$	> \$8,485	3
\$\$\$	> \$8,485	2
\$	< \$5,545	1
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te average		

Cost	Quartile Range	CMI
\$	< \$5,545	2
\$	< \$5,545	1
\$	< \$5,545	1
\$\$\$	> \$8,485	3
\$\$	\$5,545-\$8,485	2
\$\$\$	> \$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	2
\$\$\$	> \$8,485	2
\$\$	\$5,545-\$8,485	1
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	3
\$\$	\$5,545-\$8,485	1
\$\$	\$5,545-\$8,485	1
\$\$\$	> \$8,485	3
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$	< \$5,545	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	2
\$\$	\$5,545-\$8,485	3
\$\$\$	> \$8,485	3
\$\$\$	> \$8,485	3
\$	< \$5,545	2
\$	< \$5,545	2
ate average		
te average		